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SLEEVE-CUM-SLINGER FOR OIL SEAL AND SEAL ASSEMBLY THEREOF

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INVENTOR(s): SUTEFUAN REIMONDO HAINZEN
APPLICANT(s): NOK CORP [000438] (A Japanese Company or Corporation), JP
 (Japan)
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ABSTRACT

PURPOSE: To radiate heat surely as well as to prevent dust penetration by installing at least one section almost U-shaped curved part, being projected to the axial inside, in a slinger part, and making a peripheral edge of the slinger part so as to be situated in the yet more outside than an outermost part in the axial direction of an oil seal.

CONSTITUTION: When a shaft 3 is rotated, a sleeve -cum-slinger 4 is also rotated as one body, sealing the inside and outside in the axial direction of the sleeve 4 by an oil seal 2 with a seal lip part 2a sliding on an outer circumference of the sleeve part 4. At this time, a sliding part of the lip part 2a generates some heat, but at this sleeve part 4, the heat is transferred to a slinger part 7 from the sleeve part 6, and further it has a curved part 7a and the surface area becomes larger, while the heat is efficiently radiated at a part of the slinger part 7 uncovered with rubber, so that there is no heating damage to the lip part 2a. In addition, since a peripheral edge 7b of the slinger part 7 is situated at the more outside than a flange part 2c at the outermost side of the seal 2, dust is hard to penetrate to the inside of this peripheral edge 7b.

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